

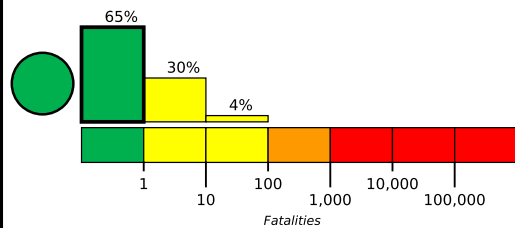
M 6.5, 45 km NE of Puerto Obalda, Panama

Origin Time: 2023-05-25 03:05:32 UTC (Wed 22:05:32 local)

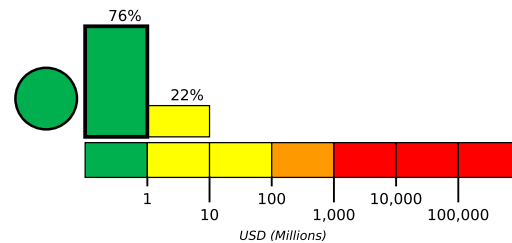
Location: 8.9224° N 77.0905° W Depth: 13.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov

Created: 3 weeks, 1 day after earthquake

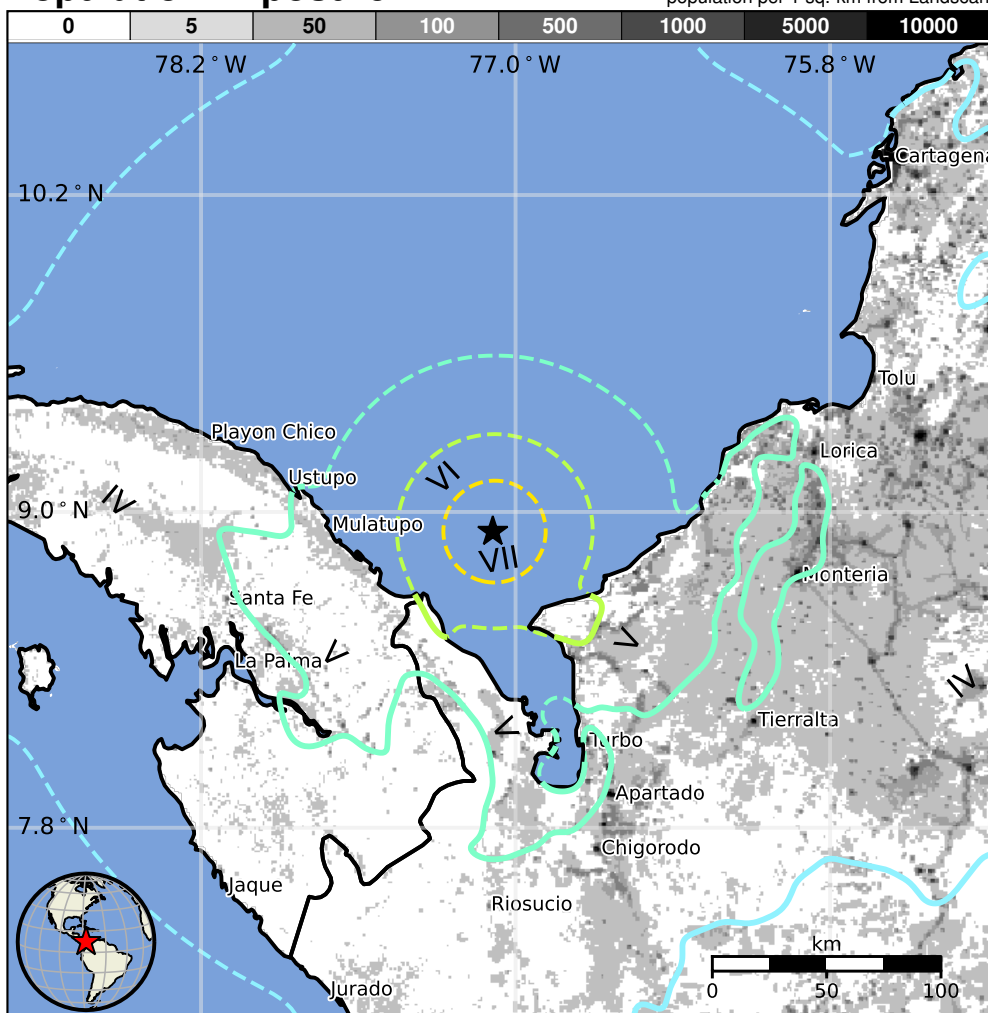
Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses**Estimated Population Exposed to Earthquake Shaking**

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 141k* | 3,871k* | 1,087k | 21k | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|--------|---------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure**Structures**

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1992-10-18 | 206 | 7.1 | IX(22k) | 1 |
| 1977-08-31 | 202 | 6.5 | IX(4k) | 3 |
| 1974-07-13 | 144 | 7.3 | IX(2k) | 11 |

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|-------------------|------------|
| VI | Acandí | 5k |
| VI | Puerto Obaldia | <1k |
| V | San Juan de Urabá | 11k |
| V | Necoclí | 11k |
| V | Arboletes | 8k |
| V | Los Córdoba | 2k |
| V | Unión Chocó | 9k |
| V | Montería | 272k |
| IV | La Palma | 2k |
| IV | Sincelejo | 261k |
| IV | Cartagena | 952k |

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000k3n3#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000k3n3